Corrigé

## NO141 Encore un dédale

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|---|---|---|---|---|---|---|---|---|
| **8**<br>$3^2 \cdot 2^3$ | **1000**<br>$72 : 3 : 3$ | $-\frac{1}{16}$<br>$[(2 \cdot 5)^2]^2$ | $-\frac{20}{3}$<br>$\frac{-2 \cdot 2 \cdot 2 \cdot 3}{-2 \cdot 3 \cdot 5}$ | **12**<br>$-\frac{43}{6} + \frac{1}{2}$ | $\frac{4}{3}$<br>$12 - 5 + 5$ | $\frac{16}{3}$<br>$\frac{21}{4} : \frac{63}{2^4}$ | $\frac{1}{4}$<br>$4 \cdot \frac{4}{3}$ | **8**<br>$\left(4^2 \cdot \frac{1}{32}\right)^2$ |
| $\frac{11}{36}$<br>$\sqrt[3]{1000}$ | **72**<br>$\frac{37}{4} - \frac{5}{4}$ | $\frac{24}{30}$<br>$\frac{1}{10} \cdot \frac{1}{10} \cdot \frac{1}{10}$ | $\frac{1}{1000}$<br>$\left(-\sqrt{\frac{169}{26}}\right) : \frac{2^3}{1}$ | **6**<br>$[(-12)-(-8)] : 3$ | $-\frac{4}{3}$<br>$6^2 \cdot \frac{5}{12}$ | **15**<br>$-\frac{\sqrt{144}}{15} \cdot \frac{20}{3}$ | **0**<br>pgdc (64 ; 24) | **33**<br>$\frac{513}{513} - \frac{1291}{1291}$ |
| **10**<br>ppmc (1 ; 149) | $\frac{35}{3}$<br>$\frac{5}{6} - \frac{1}{12} - \frac{4}{9}$ | $-64$<br>$5 \cdot \frac{7}{12} \cdot 4$ | **25**<br>pgdc (24 ; 30) | $-\frac{24}{30}$<br>$2 \cdot (-2) \cdot 7 : 3$ | $-\frac{28}{3}$<br>$-(12 : 2 \cdot 5)$ | $\frac{1}{2}$<br>$\frac{1}{2} \cdot \frac{1}{5} \cdot \frac{1}{2} \cdot \frac{1}{2}$ | $-\frac{16}{3}$<br>$15 - 8 + 7$ | $\frac{12}{43}$<br>$(-69) : (-3)$ |
| **149**<br>$35 \cdot \left(-\frac{3}{2}\right) \cdot \left(-\frac{1}{35}\right)$ | $\frac{105}{70}$<br>$2^4 + 2^1$ | $-\frac{46}{17}$<br>$(-4) \cdot (-4) \cdot (-4)$ | $-\frac{3}{2}$<br>$40 : 8 \cdot 5$ | **120**<br>$\frac{4}{5} \cdot \left(\frac{-6}{6}\right)$ | **243**<br>$\frac{22}{\sqrt{121}} \cdot \frac{\sqrt{100}}{40}$ | $-30$<br>$3^2 \cdot 3^3$ | $\frac{1}{40}$<br>$1 - \frac{31}{43}$ | **14**<br>$\frac{7}{3} + \frac{5}{4}$ |
| **9**<br>$-50 - 3 + 80$ | **18**<br>$\sqrt{\frac{243}{3}}$ | **60**<br>$-\frac{\sqrt{25}}{7} \cdot \frac{21}{10}$ | **5**<br>$\frac{6}{5} \cdot 10^2$ | **35**<br>pgdc (30 ; 25) | $\frac{1}{60}$<br>$\left(\frac{-70}{10}\right) \cdot (-5)$ | $-1$<br>$\left(+\frac{8}{9}\right) : \left(-\frac{32}{27}\right)$ | **108**<br>$\sqrt{64} \cdot 3 - 5^2$ | $\frac{43}{12}$<br>$\left(-\frac{3}{8}\right) - \left(-\frac{7}{20}\right)$ |
| Entrée → **$3^3$** | **33**<br>pgdc (60 ; 160) | **20**<br>$\left(-\frac{99}{23}\right) \cdot \left(-\frac{23}{3}\right)$ | $-\frac{6}{5}$<br>ppmc (15 ; 20) | $-\frac{15}{32}$<br>$\frac{2}{3} + \frac{3}{5} - \frac{5}{4}$ | **3**<br>$(2^2)^3$ | $\frac{3}{4}$<br>$(+5) \cdot (-3) \cdot (-4)$ | $-\frac{1}{40}$<br>$4^2 : \frac{32}{3}$ | $\frac{48}{3}$<br>$3^3 \cdot 2^2$ |
| $\frac{7}{40}$<br>$2^3 \cdot 7$ | **27**<br>$6 + 4 \cdot 2$ | $-1$<br>$12 : \left(-\frac{9}{3}\right) - 4$ | $-56$<br>$\left(-\frac{3}{4}\right) \cdot \left(+\frac{8}{5}\right)$ | $\frac{24}{20}$<br>$\sqrt{5^2 - 4^2}$ | **60**<br>$\sqrt{(\sqrt{81})}$ | **64**<br>$\left(-\frac{17}{7}\right) + \left(+\frac{16}{14}\right)$ | $\frac{9}{7}$<br>$-10 - (-17{,}9)$ | $\frac{3}{2}$<br>ppmc (7 ; 9) |
| $\frac{13}{3}$<br>$\frac{3}{8} - \frac{7}{20} + \frac{3}{20}$ | **56**<br>$\frac{26}{6} \cdot \frac{\sqrt{81}}{9}$ | **14**<br>$(-8) \cdot (+7)$ | **15**<br>$11 : 9$ | $\frac{11}{9}$<br>$\frac{(+11) \cdot (-11)}{4}$ | $\frac{-121}{4}$<br>$(-5) \cdot (-4)$ | $-20$ → Sortie | **63**<br>$\frac{5}{8} \cdot (-32)$ | **7,9**<br>pgdc (23 ; 17) |


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